

Appl. No. 10/053,089

Atty. Ref. 81800.0178

Am(d). dated June 13, 2006

Customer No. 26021

Reply to Office Action of February 22, 2006

### Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### Listing of Claims:

1. (Currently amended) A gateway device comprising:

a storage unit for receiving a packet data from a second communication network;

a control unit for inverting the packet data into a facsimile image data and for normally transmitting the facsimile image data to a second communication terminal device via a third communication network, and for appending an error data that is purposely preset to indicate that an error condition exists to a ~~test data~~ used for a training purpose TCF signal and, in order to prevent a change in transmission speed, transmitting the error data together with the ~~test data~~ TCF signal, instead of a standard ~~test data~~ TCF signal in which error data is preset to indicate that an error condition does not exist, to the second communication terminal device via the third communication network if an amount of the facsimile image data stored in the storage unit is smaller than a prescribed amount.

2. (Currently amended) The gateway device according to claim 1, wherein the error data consists of a series of predetermined numbers ~~and the test data is a TCF signal~~.

3. (Original) The gateway device according to claim 2, wherein the series of predetermined numbers consists of a plurality of "1"s only.

4. (Previously presented) The gateway device according to claim 1, wherein a first communication terminal device scans a document having a plurality of pages and prepares the facsimile image data to be sent to a first communication network, and when the image data of all the plurality of pages are not received by the gateway device or not transmitted to the second communication terminal from the gateway device and the amount of the facsimile image data stored in the storage unit is smaller than the prescribed amount, then the gateway device receives again

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the facsimile image data from the second communication network and stores the facsimile image data into the storage unit.

5. (Currently amended) The gateway device according to claim 1, wherein the control unit controls a modem speed such that the modem speed does not decrease when the control unit receives an FTT signal from the second communication terminal device in response to the error data and the ~~test data~~ TCF signal sent to the second communication terminal device.

6. (Currently amended) The gateway device according to claim 2, wherein the control unit controls a modem speed such that the modem speed does not decrease when the control unit receives an FTT signal from the second communication terminal device in response to the error data and the ~~test data~~ TCF signal sent to the second communication terminal device.

7. (Currently amended) The gateway device according to claim 3, wherein the control unit controls a modem speed such that the modem speed does not decrease when the control unit receives an FTT signal from the second communication terminal device in response to the error data and the ~~test data~~ TCF signal sent to the second communication terminal device.

8. (Currently amended) The gateway device according to claim 4, wherein the terminal device in response to the error data and the ~~test data~~ TCF signal sent to the second communication terminal device.

9. (Currently amended) The gateway device according to claim 1, wherein an amount of the error is at least four times as much as the ~~test data~~ TCF signal.

10. (Currently amended) A gateway device comprising:  
a storage means for receiving a packet data from a second network;  
means for inverting the packet data into a facsimile image data; and  
control means for normally transmitting the facsimile image data to a second terminal device via a third network, and for appending an error data that is purposely preset to indicate that an error condition exists to a ~~test data used for a training purpose~~ TCF signal and, in order to prevent a change in transmission

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speed, transmitting the error data together with the ~~test data~~ TCF signal, instead of a standard ~~test data~~ TCF signal in which error data is preset to indicate that an error condition does not exist, to the second terminal device via the third network if an amount of the facsimile image data stored in the storage means is smaller than a prescribed amount.

11. (Currently amended) The gateway device according to claim 10, wherein the error data consists of a series of predetermined numbers ~~and the test data is a TCF signal~~.

12. (Original) The gateway device according to claim 11, wherein the series of predetermined numbers consists of a plurality of "1"s only.

13. (Previously presented) The gateway device according to claim 10, wherein a first terminal device scans a document having a plurality of pages and prepares the facsimile image data to be sent to a first network, and when the image data of all the plurality of pages are not received by the gateway device or not transmitted to the second terminal from the gateway device and the amount of the facsimile image data stored in the storage means is smaller than the prescribed amount, then the gateway device receives again the facsimile image data from the second network and stores the facsimile image data into the storage means.

14. (Currently amended) The gateway device according to claim 10, wherein the control means controls a modem speed such that the modem speed does not decrease when the control means receives an FTT signal from the second terminal device in response to the error data and the ~~test data~~ TCF signal sent to the second terminal device.

15. (Currently amended) The gateway device according to claim 11, wherein the control means controls a modem speed such that the modem speed does not decrease when the control means receives an FTT signal from the second terminal device in response to the error data and the ~~test data~~ TCF signal sent to the second terminal device.

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16. (Currently amended) The gateway device according to claim 12, wherein the control means controls a modem speed such that the modem speed does not decrease when the control means receives an FTT signal from the second terminal device in response to the error data and the ~~test data~~ TCF signal sent to the second terminal device.

17. (Currently amended) The gateway device according to claim 13, wherein the control means controls a modem speed such that the modem speed does not decrease when the control means receives an FTT signal from the second terminal device in response to the error data and the ~~test data~~ TCF signal sent to the second terminal device.

18. (Currently amended) The gateway device according to claim 10, wherein an amount of the error is at least four times as much as the ~~test data~~ TCF signal.

19. (Currently amended) A method for transmitting facsimile image data comprising:

receiving a packet data from a second communication network;

inverting the packet data into the facsimile image data;

normally transmitting the facsimile image data to a second communication terminal device via a third communication network; and

appending an error data that is purposely preset to indicate that an error condition exists to a ~~test data used for a training purpose~~ TCF signal and, in order to prevent a change in transmission speed, transmitting the error data together with the ~~test data~~ TCF signal, instead of a standard ~~test data~~ TCF signal in which error data is preset to indicate that an error condition does not exist, to the second communication terminal device via the third communication network if an amount of the facsimile image data stored in the storage unit is smaller than a prescribed amount.

20. (Previously presented) The method according to claim 19 further comprising:

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scanning document having plurality of pages at a first communication terminal device;

preparing the facsimile image data to be sent to a first communication network;

receiving again when the image data of all the plurality of pages are not received by the gateway device or not transmitted to the second communication terminal from the gateway device and the amount of the facsimile image data stored in the storage unit is smaller than the prescribed amount, the facsimile image data from the second communication network; and

storing the facsimile image data into the storage unit.